



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,525	02/15/2006	Mitsuhiro Kashiwabara	112857517	2922
29175 7590 01/09/2008 BELL, BOYD & LLOYD, LLP P. O. BOX 1135 CHICAGO, IL 60690			EXAMINER BREVAL, ELMITO	
			ART UNIT 2889	PAPER NUMBER
			MAIL DATE 01/09/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PH

Office Action Summary	Application No.		Applicant(s)	
	10/568,525		KASHIWABARA ET AL.	
	Examiner		Art Unit	
	Elmito Breval		2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 February 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>See Continuation Sheet</u> | 6) <input type="checkbox"/> Other: _____ |

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date
:06/25/2007;12/01/2006;02/15/2006.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Forrest et al., (hereinafter "Forrest")(US. Pat: 6,365,270).

Regarding claim 1, Forrest discloses (in at least fig. 2C) an organic EL device comprising: an organic layer including a plurality of light emitting layers (fig. 2C), said organic layer sandwiched between an anode (40) and a cathode (43), wherein said light emitting layers comprises a red light emitting layer (30), a green light emitting layer (31), and a blue light emitting layer (32) laminated in order from the anode side (fig. 2C).

Regarding claim 2, Forrest discloses the organic EL device as set forth in claim 1, wherein said red light emitting layer has a hole transporting property (fig. 2C, 22H).

Regarding claim 3, Forrest further discloses the organic EL device as set forth in claim 2, wherein said red light emitting layer includes a hole transporting light-emitting material (fig. 2c, 22E).

Regarding claim 4, Forrest discloses the organic EL device as set forth in claim 1, wherein said green light emitting layer (31) has a positive and negative transporting property (fig. 2C, ETL 21T, HTL 21H).

Regarding claim 5, Forrest further discloses the organic EL device as set forth in claim 1, wherein the blue light emitting layer has an electron transporting property (Fig. 2C, ETL 20T).

Regarding claim 6, Forrest discloses (in at least fig. 2C) the organic EL device as set forth in claim 1, wherein said blue light emitting layer (32) comprises a positive and negative charge transporting blue light emitting layer and an electron transmitting blue light emitting layer (20T) laminated in this order from the anode side (fig. 2C, 32).

Regarding claim 7, Forrest discloses (in at least fig. 2C) the organic EL device as set forth in claim 1, wherein said red light emitting layer has a hole transporting property, said green light emitting layer has a positive and negative charge transporting property, and said blue light emitting layer has an electron transporting property (fig. 2C).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Forrest et al., (hereinafter "Forrest")(US. Pat: 6,365,270) in view of Nakamura et al., (hereinafter "Nakamura")(JP: 10-3990).

Regarding claim 8, Forrest discloses (in at least fig. 2C) a display comprising an organic EL device for emitting white light, wherein said organic EL device comprises

an organic layer including a plurality of light emitting layers (fig. 2C), said organic layer interposed between an anode (40) and a cathode (43); and said light emitting layers comprising a red light emitting layer (30), a green light emitting layer (31), and a blue light emitting layer(32) laminated in order from the anode side (fig. 2C), but fails to expressly disclose a color filter provided on a light take-out surface side of an organic EL device for emitting white light.

However, Nakamura discloses ([0012]) an organic EL display device wherein a color filter provided on the light take-out surface side of an organic EL device for emitting white light.

Given the teaching of Nakamura, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the color filter as taught by Nakamura into the EL display device of Forrest in order to emit white light.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Oshita et al.,(US. Pub: 2001/0019245).


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elmito Breval whose telephone number is 571-270-3099. The examiner can normally be reached on M-F (8:30 AM-5:00 Pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571)-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:
10/568,525
Art Unit: 2879

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


December 21, 2007
Examiner
Elmito Breval


MARICELI SANTIAGO
PRIMARY EXAMINER